

It is an aim of the present invention to provide a method of operating image display apparatus with a uniform high resolution capability, in which low resolution wide field of view and high resolution narrow field of view images are able to be electronically processed into a common high resolution pixel format and blended before being displayed by very high resolution display apparatus.

Accordingly, the present invention provides a method of operating image display apparatus, which method comprises combining in a common pixel format a low resolution wide field of view image component from a first source, and a high resolution narrow field of view image component from a second source which is different from the first source, and in which the common pixel format is the pixel format of a high resolution image which forms the second source and from which the high resolution narrow field of view image component is obtained, whereby the high resolution narrow field of view image component is able to be positioned anywhere in a display obtained from the image display apparatus.

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concl The method may be one in which a low resolution image is resampled to increase the pixel count to that of the highest resolution imagery.

The method may be one in which a low resolution image is interpolated to increase the pixel count to that of the highest resolution imagery.

The composite imagery may be stored in a frame buffer. The frame buffer may be segmented to drive a matrix of display devices.

The method may be one in which the low resolution wide field of view image component is of a background scene, and in which the high resolution narrow field of view image component is of a target.
